

APPENDIX C
DISTRIBUTION OF MEDICAL CONDITIONS
BY EXPANDED DIAGNOSTIC CLUSTERS (EDC)^{1,2} AND PAYER - 1998

EDC CATEGORY	PRIVATE NON HMO	PRIVATE HMO FFS	MEDICARE NON HMO	MEDICARE HMO FFS
Examination and screening	10.4%	15.2%	5.8%	7.1%
General medical exam	9.7	14.0	3.8	4.7
Surgical aftercare	0.7	1.2	2.0	2.4
General complaints	2.2	2.3	3.1	3.4
General signs and symptoms – unspecified	0.3	0.2	0.4	0.5
Chest pain	0.7	0.9	1.0	1.3
Fever	0.3	0.4	0.2	0.2
Syncope	0.1	0.1	0.4	0.4
Nausea, vomiting	0.2	0.3	0.4	0.4
Debility and undue fatigue	0.5	0.3	0.8	0.6
Common surgical conditions	3.1	3.9	2.3	3.2
Anorectal conditions	0.4	0.5	0.3	0.5
Appendicitis	0.0	0.1	0.0	0.0
Benign and unspecified neoplasm	1.8	2.3	1.4	1.9
Cholelithiasis, cholecystitis	0.2	0.3	0.2	0.3
External abdominal hernias, hydroceles	0.2	0.3	0.2	0.3
Chronic cystic disease of the breast	0.2	0.2	0.1	0.1
Other breast disorders	0.2	0.2	0.1	0.1
Varicose veins of lower extremities	0.1	0.1	0.1	0.1
Skin conditions	6.0	6.4	5.8	3.9
Dermatologic signs and symptoms	0.1	0.1	0.1	0.1
Contusions and abrasions -- excluding eye	0.6	0.7	0.3	0.3
Dermatitis and eczema	0.9	1.0	0.5	0.4
Burns -- first degree	0.0	0.0	0.0	0.0
Keloid	0.0	0.1	0.0	0.0
Acne and diseases of sweat and sebaceous glands	0.8	0.8	0.2	0.1
Sebaceous cyst	0.2	0.2	0.1	0.1
Other inflammatory conditions of skin	0.1	0.1	0.1	0.1
Nonfungal infections of skin and subcutaneous tissue	0.6	0.6	0.7	0.6
Viral warts and molluscum contagiosum	0.6	0.7	0.1	0.1
Rashes	0.3	0.3	0.2	0.1
Skin keratoses	0.5	0.4	1.2	0.9
Dermatophytoses	0.4	0.4	1.3	0.5
Psoriasis, pityriasis	0.2	0.2	0.1	0.1
Disease of hair and hair follicles	0.1	0.2	0.0	0.0
Pigmented nevus	0.0	0.0	0.0	0.0
Scabies and pediculosis	0.0	0.0	0.0	0.0
Diseases of nail	0.2	0.2	0.5	0.2
Other skin disorders	0.3	0.4	0.4	0.3
Disorders of the mouth	0.2	0.1	0.1	0.1
Disorders of mouth	0.1	0.1	0.0	0.1
Disorders of teeth	0.1	0.0	0.0	0.0
Gingivitis	0.0	0.0	0.0	0.0
Stomatitis	0.0	0.0	0.0	0.0

EDC CATEGORY	PRIVATE NON HMO	PRIVATE HMO FFS	MEDICARE NON HMO	MEDICARE HMO FFS
Cardiovascular conditions	4.9	4.3	21.2	20.1
Cardiovascular signs and symptoms	0.4	0.4	0.7	0.8
Hypertension	2.6	1.8	7.5	7.1
Ischemic heart disease	0.8	0.8	4.3	5.1
Congenital heart disease	0.1	0.2	0.1	0.1
Congestive heart failure	0.1	0.2	2.6	2.3
Cardiac valve disorders	0.1	0.1	0.5	0.5
Cardiomyopathy	0.1	0.1	0.3	0.3
Heart murmur	0.0	0.1	0.1	0.0
Cardiac arrhythmia	0.3	0.4	2.7	2.3
Thrombophlebitis -- excluding pulmonary	0.1	0.1	0.2	0.2
Generalized atherosclerosis	0.1	0.1	1.2	0.8
Peripheral vascular disease	0.0	0.1	0.6	0.4
Edema	0.1	0.1	0.4	0.3
Developmental and genetic disorders	0.2	0.3	0.0	0.0
Developmental disorder	0.2	0.2	0.0	0.0
Chromosomal anomalies	0.0	0.0	0.0	0.0
Ear, Nose, Throat problems	7.6	6.8	1.6	1.8
Otitis media	1.8	1.9	0.2	0.2
Chronic rhinitis	3.4	2.6	0.6	0.5
Temporomandibular joint disease	0.1	0.1	0.0	0.0
Foreign body -- Ears, Nose, and Throat	0.0	0.0	0.0	0.0
Deviated nasal septum	0.1	0.2	0.0	0.1
Sinusitis	1.5	1.3	0.3	0.4
Otitis externa	0.2	0.2	0.1	0.1
Wax in ear	0.1	0.1	0.2	0.2
Deafness, hearing loss	0.1	0.2	0.2	0.2
Chronic pharyngitis and tonsillitis	0.1	0.3	0.0	0.0
Epistaxis	0.1	0.1	0.1	0.1
Endocrinologic/Metabolic conditions	4.1	3.5	10.4	8.6
Diabetes mellitus	1.5	1.5	4.6	4.2
Osteoporosis	0.1	0.0	0.4	0.3
Short stature, failure to thrive	0.0	0.1	0.0	0.0
Obesity	0.1	0.2	0.1	0.1
Disorders of lipid metabolism	1.3	0.7	2.7	2.3
Nutritional deficiencies	0.1	0.1	0.3	0.2
Thyroid disease	0.6	0.5	1.1	0.7
Fluid/electrolyte disturbances	0.2	0.2	1.1	0.7
Other endocrine disorders	0.2	0.1	0.2	0.1
Gastrointestinal conditions	3.2	3.8	4.1	4.5
Gastrointestinal signs and symptoms	0.4	0.5	1.0	1.1
Inflammatory bowel disease	0.1	0.2	0.1	0.1
Constipation	0.1	0.1	0.2	0.2
Neonatal jaundice	0.0	0.1	0.0	0.0
Hepatitis	0.0	0.0	0.0	0.0
Peptic disease	0.3	0.4	0.5	0.6
Diarrhea	0.5	0.5	0.4	0.3
Gastroesophageal reflux	0.5	0.5	0.7	0.8
Abdominal pain	1.0	1.3	0.8	0.9
Irritable bowel syndrome	0.1	0.1	0.1	0.1
Diverticular disease of colon	0.1	0.1	0.4	0.5
Cirrhosis	0.1	0.1	0.1	0.1

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Blood diseases	0.5	0.7	2.3	1.9
Anemia, nondeficiency syndromes	0.1	0.1	0.1	0.1
Iron deficiency and other deficiency anemias	0.4	0.5	2.2	1.8
Infectious diseases	0.8	0.9	0.2	0.2
Tuberculosis infection	0.0	0.0	0.0	0.0
Fungal infections -- excluding dermatophytoses	0.1	0.1	0.1	0.0
Infectious mononucleosis	0.0	0.0	0.0	0.0
HIV, AIDS	0.1	0.1	0.0	0.0
Sexually transmitted diseases, PID	0.2	0.2	0.0	0.1
Viral syndromes	0.5	0.4	0.1	0.1
Neurologic conditions	4.3	3.9	4.5	4.7
Neurologic signs and symptoms	0.3	0.2	0.3	0.2
Headaches	1.1	0.9	0.2	0.2
Peripheral neuropathy, neuritis	1.9	1.6	0.6	0.9
Vertiginous syndromes	0.3	0.3	0.4	0.4
Cerebrovascular disease	0.3	0.4	2.2	2.3
Parkinson's disease	0.0	0.0	0.3	0.2
Seizure disorder	0.2	0.3	0.4	0.2
Multiple sclerosis	0.1	0.1	0.0	0.0
Muscular dystrophy	0.0	0.0	0.0	0.0
Sleep problems	0.1	0.2	0.1	0.1
Pregnancy & conditions of the Fem. Reprod. System	4.3	6.0	0.8	0.9
Pregnancy and delivery -- uncomplicated	0.7	1.0	0.0	0.0
Female genital symptoms	0.3	0.5	0.0	0.0
Endometriosis	0.1	0.1	0.0	0.0
Pregnancy and delivery -- with complications	0.5	0.8	0.0	0.0
Female infertility	0.2	0.2	0.0	0.0
Abnormal pap smear	0.3	0.5	0.0	0.0
Ovarian cyst	0.1	0.1	0.0	0.0
Vaginitis, vulvitis, cervicitis	0.7	0.9	0.2	0.2
Menstrual disorders	0.6	0.9	0.1	0.1
Contraception	0.3	0.7	0.0	0.0
Menopausal symptoms	0.3	0.2	0.2	0.2
Utero-vaginal prolapse	0.1	0.1	0.2	0.3
Cancer	2.8	3.3	6.0	9.8
Malignant neoplasms -- excluding skin	2.6	3.1	5.4	9.2
Malignant neoplasms of skin -- excluding breast and genitals	0.2	0.2	0.6	0.6
Ophthalmologic disorders	2.1	2.1	5.3	3.4
Ophthalmic signs and symptoms	0.1	0.1	0.1	0.1
Blindness	0.0	0.0	0.0	0.0
Retinal disorders -- excluding diabetic retinopathy	0.2	0.3	1.1	0.7
Disorders of the eyelid/lacrimal duct (excl. blepharitis, chalazion)	0.1	0.1	0.2	0.1
Refractive errors	0.2	0.2	0.1	0.1
Cataract, aphakia	0.2	0.2	2.1	1.3
Conjunctivitis, keratitis	0.5	0.5	0.2	0.2
Glaucoma	0.4	0.4	1.2	0.8
Infections of eyelid	0.1	0.1	0.1	0.1
Foreign body in eye	0.0	0.0	0.0	0.0
Strabismus, amblyopia	0.2	0.2	0.0	0.0

EDC CATEGORY	PRIVATE NON HMO	PRIVATE HMO FFS	MEDICARE NON HMO	MEDICARE HMO FFS
Orthopedic problems	26.7	20.7	10.6	12.7
Acute sprains and strains	6.9	5.0	1.2	1.4
Degenerative joint disease	0.7	0.8	1.9	2.3
Fractures -- excluding digits and hips	1.0	1.5	0.6	1.0
Torticollis	0.1	0.0	0.0	0.0
Kyphoscoliosis	0.3	0.1	0.0	0.1
Congenital hip dislocation	0.0	0.0	0.0	0.0
Fractures and dislocations -- digits only	0.1	0.2	0.0	0.0
Joint disorders -- trauma related -- excluding digits	2.3	1.8	0.7	0.7
Fracture of neck of femur (hip)	0.0	0.0	0.4	0.3
Congenital anomalies of limbs, hands, and feet	0.1	0.1	0.0	0.0
Acquired foot deformities	0.4	0.4	0.4	0.2
Cervical pain syndromes	1.8	1.0	0.4	0.4
Arthralgia	1.4	1.5	0.8	1.0
Low back pain	6.7	4.0	2.0	2.6
Fibrositis, myalgia	1.8	1.3	0.8	0.8
Bursitis, synovitis, tenosynovitis	3.0	2.9	1.2	1.8
Facial and skin reconstruction	0.7	1.1	0.9	0.8
Cleft lip and palate	0.0	0.0	0.0	0.0
Lacerations	0.5	0.9	0.2	0.4
Chronic ulcer of the skin	0.1	0.1	0.6	0.4
Burns -- excluding 1st degree	0.0	0.1	0.0	0.0
Psychosocial problems	6.5	5.3	3.4	1.1
Depression, anxiety, neuroses	3.9	2.8	1.0	0.5
Dementia and delirium	0.0	0.0	1.3	0.4
Drug abuse	0.1	0.1	0.0	0.0
Tobacco abuse	0.0	0.1	0.0	0.0
Behavior problems	0.2	0.1	0.0	0.0
Attention deficit disorder	0.4	0.4	0.0	0.0
Family and social problems	0.0	0.1	0.0	0.0
Schizophrenia and affective psychosis	1.6	1.5	1.0	0.2
Personality disorders	0.1	0.1	0.0	0.0
Alcohol abuse	0.1	0.1	0.1	0.0
Pulmonary conditions	6.2	5.9	5.8	6.3
Respiratory signs and symptoms	0.4	0.7	1.1	1.3
Acute upper respiratory tract infection	3.2	2.5	0.4	0.4
Acute lower respiratory tract infection	1.2	1.0	1.6	1.5
Cystic fibrosis	0.0	0.0	0.0	0.0
Asthma	1.0	1.2	0.5	0.5
Emphysema, chronic bronchitis, COPD	0.3	0.3	2.0	2.4
Cough	0.3	0.2	0.2	0.2

EDC CATEGORY	PRIVATE NON HMO	PRIVATE HMO FFS	MEDICARE NON HMO	MEDICARE HMO FFS
Rheumatologic conditions	0.9	0.9	1.3	1.2
Autoimmune and connective tissue disease	0.5	0.6	0.6	0.6
Gout	0.1	0.1	0.2	0.1
Arthropathy	0.3	0.2	0.5	0.5
Urinary and Kidney conditions	2.0	2.2	4.1	3.9
Chronic renal failure	0.2	0.3	1.1	0.9
Urinary tract infection	0.6	0.6	1.0	0.8
Renal calculi	0.2	0.2	0.1	0.1
Vesicoureteral reflux	0.0	0.0	0.0	0.0
Undescended testes	0.0	0.0	0.0	0.0
Hypospadias, other penile anomalies	0.0	0.0	0.0	.
Prostatic hypertrophy, prostatitis	0.3	0.2	0.8	0.9
Stricture of urethra	0.0	0.0	0.0	0.1
Urinary symptoms	0.5	0.5	0.9	0.9
Other male genital disease	0.2	0.2	0.2	0.2
Allergic reactions	0.3	0.3	0.1	0.1
Allergic reactions	0.3	0.3	0.1	0.1
Poisoning	0.1	0.2	0.1	0.1
Toxic effects of nonmedicinal agents	0.1	0.1	0.0	0.0
Adverse effects of medicinal agents	0.1	0.1	0.1	0.1
Total	100.0	100.0	100.0	100.0

¹Source: Christopher B. Forrest, MD, PhD., Health Services Research and Development Center, Johns Hopkins School of Public Health, July 30, 1999.

²The assignment of EDC categories to medical services is based on the first three unique ICD-9 diagnosis codes.

